

- APPLY LABEL TO OUTER JACKET OF CABLE
MAXIMUM CF 3" FROM STRIPPED END AS SHOWN
NOT TO BE COVERED BY OVERSIZED SHRINK.
- DETAIL APPLIES TO ALL CABLE TYPES

CIRCUIT DESIGNATION

STR-A
"OR"
STR-A
T T

CABLE IDENTIFICATION TAG; LIGHT TEXT REPRESENTS EXISTING CABLE TAG TO REMAIN, HEAVY TEXT REPRESENTS THE TAG (BRADY LABEL #WML-305-292 O.A.E.) TO BE FURNISHED & INSTALLED.

STR - STROBE
SPK - SPEAKER
ALD - ALD LOO
(EXCEPT
TEL - TELEPHO
SD - SMOKE I
MPJ - MAINTEN
WP - WARDEN
SJ - STAND P

A TO G - STROBE OR SPEAKER CIRCUIT NUMBER
ATC - CIRCUIT TO ADDRESSABLE TERMINAL STRIP CABINET
PS - CIRCUIT TO PULL STATIONS
ELEV - CIRCUIT TO ELEVATOR LOBBY AND ELEVATOR
MACHINE ROOM SMOKE DETECTORS
HVAC - CIRCUIT TO HVAC SMOKE DETECTOR
AREA - CIRCUIT TO OPEN AREA SMOKE DETECTOR
IC - INTERFACE CABINET CIRCUIT
TIB - TENANT INTERFACE BOX

EXISTING TERMINAL BLOCK WITH THE BLOCK NUMBERING.
EXISTING #14 (U.O.N.) CONDUCTOR OR DRAIN WIRE TO REMAIN CONNECTED.
#14 CONDUCTOR OR DRAIN WIRE TO BE DISCONNECTED AND REMOVED AS SHOWN ON EXISTING AND REMOVAL BLOCK WIRING DIAGRAM.
#14 CONDUCTOR OR DRAIN WIRE TO BE DISCONNECTED FROM EXISTING TERMINAL BLOCK AND RECONNECTED TO OTHER TERMINAL BLOCK AS SHOWN ON EXISTING, RELOCATIONS AND ADDITIONS BLOCK WIRING DIAGRAM.
CONDUCTOR OR DRAIN WIRE IDENTIFICATION TAG. LIGHT TEXT REPRESENTS EXISTING CONDUCTOR TAG NUMBER, HEAVY TEXT REPRESENTS THE TAG NUMBER LABEL (FWML-205-292-1 O.A.E.) TO BE FURNISHED AND INSTALLED.

27 A 5

INDICATES TERMINAL BLOCK NUMBER.

INDICATES DESTINATION OF CIRCUIT CABLE.

A - FOR CABLE RUN TO TSC-FA
B - FOR CABLE RUN TO TSC-FB
C - FOR CABLE RUN TO TSC-FC
D - FOR CABLE RUN TO TSC-FD
E - FOR CABLE RUN TO TSC-FE
F - FOR CABLE RUN TO TSC-F
H - FOR CABLE RUN TO HUXLEY
I - FOR CABLE RUN TO DEVICE(S) ON THE FLOOR

INDICATES CABLE PAIR NUMBER.

1-4 - FOR A/D LOOP CIRCUIT
5-12 - FOR TELEPHONE CIRCUIT
23-38 - FOR STROBE CIRCUIT
49-56 - FOR SPEAKER CIRCUIT

TERMINAL BLOCK NUMBERING TAG. ADDITIONAL MARKINGS ARE FOR INFORMATION ONLY.

(R) 5

INDICATES TERMINAL BLOCK NUMBER
BRADY LABEL # TB02-502-281 (A.O.E.)

INSULATION COLOR OF THE CONDUCTOR.

(R) - RED (B) - BLACK

POLARITY

+ - POSITIVE
- - NEGATIVE
S - SHIELD/DRAIN

Diagram illustrating the assembly of a shielded cable (Type A) with the following components and instructions:

- SHIELDED CABLE TYPE "A"**: The main cable assembly.
- INSTALL CLEAR OVERSIZED SHRINK TUBE**: A tube placed over the cable jacket.
- CUT FOR SHIELD FLUSH WITH END OF OUTER JACKET**: Instruction for trimming the shield.
- MAINTAIN TWIST**: Instruction for the conductors.
- INSULATED CONDUCTOR (RED)**: One of the internal conductors.
- INSULATED CONDUCTOR (BLACK)**: The other internal conductor.
- UNINSULATED DRAIN WIRE, TERMINATED OR CONTINUED TO NEXT DEVICE**: A wire for draining the shield.
- INSTALL CLEAR SHRINK TUBE**: A tube placed over the drain wire.
- CIRCUIT DESIGNATION CABLE TAG**: A tag for identification.
- BRADY LABEL #WU-1000-1002 WITHIN 3" FROM CABLE END**: Label placement instruction.

1. FOR LEGEND, ABBREVIATIONS & GENERAL NOTES, SEE DWG E-1.
2. ALL SHIELDS MUST BE ISOLATED FROM GROUND. APPROVED "SHRINK" TUBING SHALL BE USED ON ALL DRAIN CONDUCTORS. SEE TYPICAL SHIELD/DRAIN INSULATING METHOD "A" ON THIS DWG.
3. ALL WIRING SHALL BE FREE OF GROUND FAULTS, OPENS, SHORTS & STRAY VOLTAGES.
4. ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.
5. DISCONNECT AND COMPLETELY REMOVE CABLES FROM BOTH END. ALL WORK SHALL BE DONE ON THE PRESENCE OF THE ENGINEER.
6. DISCONNECT AND REMOVE FROM TSC CABINET, LEAVE COILED ON CEILING. MARK AS "UNUSED". ALL WORK SHALL BE DONE IN THE PRESENCE OF THE ENGINEER.



I HEREBY CERTIFY THAT THIS IS A TRUE AND
CORRECT COPY OF ONE OF THE CONTRACT
DRAWINGS CONSTITUTING A PART OF
CONTRACT NO. JK 861-573 IN
THE FORM IN WHICH SAID DRAWINGS
EXISTED AT THE TIME THE SAID CONTRACT
WAS EXECUTED BY THE PARTIES

DATE 2/1/00 [Signature]
CONTRACT ENGR/ARCH.
DATE 2/8/00 [Signature]
ENGINEERING PROGRAM MG

ENGINEERING PROGRAM MANAGER
WORLD TRADE
[Signature]
CHIEF ELECTRICAL ENGINEER

WORLD
TRADE
CENTER

Title
FIRE ALARM SYSTEM
DEVICE UPGRADE
PHASE III
5 WTC 3rd,4th,5th & 6th FLOORS

6TH FLOOR TSC-FC
BLOCK WIRING DIAGRAM
EXISTING AND REMOVAL

This drawing subject to conditions in Contract. All inventions, ideas, designs and methods herein are reserved to Port Authority and may not be used without its written consent.

S. FELDSTEIN N. PALACIOS A.S.
Designed by Drawn by Checked by

NOVEMBER 26, 1999

Date _____

WTC-861-573

Contract Number	Drawing Number
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